

Amendments to the Claims:

Please amend the claims as shown. Applicants reserve the right to pursue any cancelled claims at a later date.

1.-3. (cancelled)

4. (currently amended) A system for connecting a mobile data unit to a field bus, comprising:

a coupling unit connected to the field bus via a spur line and a line driver, wherein signals at ~~the~~ an output of the line driver are injected via a first level converter into a data link or are received from the data link; ~~and~~

a mobile data unit receiving the signals via a second level converter from the data link or injecting the signals into the data link;

a presence detection circuit providing a presence signal responsive to coupling of the mobile data unit to the coupling unit; and

a controller connected to the field bus and connected to the presence detection circuit for receiving the presence signal.

5.-8. (cancelled)

9. (new) A system as in claim 4, wherein the presence detection circuit comprises an additional signal line, and the controller can transmit a selection of views to the mobile data unit via the additional signal line.

10. (new) A system according to claim 4, further comprising;

first, second, and third level converters connected to the line driver for data communication therewith;

a first data communication link connected to the first level converter via said electrical jack for communicating data between the mobile data unit and the field bus;

a second data communication link connected to the second level converter via said electrical jack for communicating data between the mobile data unit and the field bus;

a third data communication link connected to the third level converter via said electrical jack for communicating control signals between the mobile data unit and the line driver; and

each level converter converts an electrical signal between a short range electrical signal provided to or from the line driver and a longer range electrical signal provided to or from the respective data communication link.

11. (new) A system for connecting a mobile data unit to a field data bus, comprising;

a line driver connected to the field data bus for data communication therewith;

a line signal level converter connected to the line driver for data communication therewith;

a data communication link connected to the line signal level converter for communicating data signals between the line signal level converter and the mobile data unit;

the line signal level converter converting a short range electrical signal from the line driver to a longer range electrical signal on the data communication link;

a connecting cable for the data link terminating in a plug;

a shorter jumper for closing a presence detection circuit when connecting cable is connected to the line signal level converter; and

a controller connected to the field data bus and connected to the presence detection circuit via a digital signal line;

the controller adapted to transmit a signal to the mobile data unit via the digital signal line.

12. (new) A system for connecting a mobile data unit to a field data bus, comprising;
- a line driver connected to the field data bus for data communication therewith;
 - first, second, and third line signal level converters connected to the line driver for data communication therewith;
 - a first data communication link connected to the first line signal level converter for communicating data between the mobile data unit and the field data bus;
 - a second data communication link connected to the second line signal level converter for communicating data between the mobile data unit and the field data bus;
 - a third data communication link connected to the third line signal level converter for communicating control signals between the mobile data unit and the line driver;
 - each line signal level converter converting an electrical signal between a short range electrical signal provided to or from the line driver and a longer range electrical signal provided to or from the respective data communication link;
 - the respective data communication links comprising a connecting cable for selectively connecting the mobile data unit to the field data bus;
 - a presence detection circuit providing a presence signal responsive to connection of the mobile data unit to the field data bus via the connecting cable; and
 - a controller connected to the field data bus and receiving the presence signal;
- wherein the presence detection circuit comprises a digital signal line, and the controller can transmit a selection of views to the mobile data unit via the digital signal line.